

What is claimed is:

1. A wireless communications system for use in the transportation industry, comprising:

5 at least one data transmission device including a user interface providing a user functionality to enter into said at least one data transmission device at least one predefined data field and data associated with the at least predefined data field,
10 the at least one predefined data field and the data associated therewith formatted in accordance with a standard format including at least one first standard format for the at least one predefined data field and at least one second standard format for the data, and
15 the data including at least one of economic and logistical data relating to at least one of shipment, delivery and receipt of shipped goods;

at least one remote computing device, operatively connectable to said at least one data
20 transmission device, and receiving each of the at least one predefined data field and the data transmitted by said at least one data transmission device, and processing the at least one first standard format for the at least one predefined data
25 field and the at least one second standard format for

the data responsive to the standard format using at least one application program stored on said at least one remote computing device configured to receive the standard format comprising the at least one first
5 standard format for the at least one predefined data field and the at least one second standard format for the data; and

at least one network operatively connectable to each of said at least one data transmission device
10 and each of said at least one remote computing device, and transmitting the at least one first standard format for the at least one predefined data field and the at least one second standard format for the data responsive to the standard format to said at
15 least one remote computing device and receiving the at least one first standard format for the at least one predefined data field and the at least one second standard format for the data responsive to the standard format from said at least one data
20 transmission device.

2. The wireless communications system as recited in claim 1, wherein each standard format comprises a bill of lading, a weight, a shipper zip,
25 a consignee zip, a number of pieces shipped, a

delivery date, a name of an individual who signed a
delivery receipt, a product number, an indication
that the goods are delivered, an indication that the
goods are picked up, an estimated time of arrival, a
5 comment, an indication that a trailer is being
dropped off, an indication that a trailer is being
picked up, a drop/hook indication, and an indication
that the goods are at least one of over, short and
damaged.

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3. The wireless communications system as
recited in claim 1, wherein each of the at least one
predefined data field comprises a user-entered pre-
defined representation corresponding to at least one
15 of a word and phrase and facilitates utilization of
at least a portion of the transmitted data with at
least one of the data file and the data file format
associated with at least application program residing
on said at least one remote computing device.

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4. The wireless communications system as
recited in claim 3, wherein each of the at least one
predefined data field comprises a user-entered pre-
defined representation corresponding to at least one
25 of a word and phrase comprising a bill of lading, a

weight, a shipper zip, a consignee zip, a number of
pieces shipped, a delivery date, a name of an
individual who signed a delivery receipt, a product
number, an indication that the goods are delivered,
5 an indication that the goods are picked up, an
estimated time of arrival, a comment, an indication
that a trailer is being dropped off, an indication
that a trailer is being picked up, a drop/hook
indication, and an indication that the goods are
10 over, short or damaged.

5. The wireless communications system as
recited in claim 1, wherein each of the at least one
data transmission device is a portable device.

15 6. The wireless communications system as
recited in claim 1, wherein each of the at least one
data transmission device verifies that the user has
entered a valid predefined data field prior to
20 transmission.

7. The wireless communications system as
recited in claim 1, wherein each of the at least one
remote computing device verifies that a valid data

field has been received prior to utilizing the transmitted data.

8. The wireless communications system as recited
5 in claim 1, wherein each of the at least one networks comprise:

a scheduler determining which of the at least one data transmission devices are active;

a device action manager receiving notification
10 from said scheduler and monitoring which of said at least one transmission devices have requested to download a message from the at least one remote computing device;

a download manager receiving notification via said
15 scheduler at which time messages associated with each of the at least one data transmission device are to be downloaded;

a message lookup manager determining an identifier associated with each message associated with each of
20 the at least one transmission device and selecting those messages that have not been downloaded from the at least one remote computing device to the respective first communications device; and

a message processor for retrieving messages from
25 the remote computing device and transmitting the

messages to the respective data transmission device as determined by a selection system.

9. The system according to claim 8, wherein the at
5 least one data transmission device is a wireless
messaging device having a first identifier associated
with said at least one network and the at least one
remote computing device is an e-mail server storing
messages for at least one e-mail account, each e-mail
10 account having a second identifier associated
therewith, wherein the at least one data transmission
device and the at least one remote computing device
transmit signals to each other via said networks, and
wherein the predetermined criteria are respective
15 identifiers associated with each of the at least one
data transmission device and the at least one remote
computing device.

11. The system according to claim 9, wherein said
20 signals comprise at least one of an electronic mail
message, an electronic page, and a paging message.

12. The system according to claim 8 wherein said
download manager downloads messages subsequent to
25 receiving an indication from said scheduler and said

lookup manager.

13. The system according to claim 8 wherein said
message processor converts the message format of the at
5 least one second communications device to a message
format of the at least one data transmission device.

14. The system according to claim 8 wherein said
lookup manager deletes a message record when a
10 corresponding message is transmitted to the at least
one data transmission device.

15. The system according to claim 8 wherein said
scheduler further determines the time at which each of
15 the at least one data transmission devices are to
receive a message.

16. The system according to claim 1 wherein each
of said at least one data transmission device have a
20 common domain name associated therewith.

17. The system according to claim 8, wherein said
scheduler accesses subscriber information from the
selection system to determine user specified download
25 times.

18. A method for standardizing data communications, pertaining to economic and/or logistical data relating to the shipment, delivery
5 and/or receipt of goods, between at least one data transmission device and at least one remote computing device, comprising the steps of:

a) entering into at least one data transmission device a predefined data field and associated data,
10 wherein the predefined data field and the associated data comprise a standard format;

b) transmitting the predefined data field and the associated data to at least one remote computing device;

15 c) receiving by the at least one remote computing device the predefined data field and associated data; and

d) utilizing at least a portion of the data received in step c) with at least one of a data file
20 and a data format associated with at least one application program residing on the at least one remote computing device.

19. The method according to claim 18, wherein
25 each of the at least one predefined data field

comprises a user-entered pre-defined representation corresponding to a word or phrase pertaining to at least one of a bill of lading, a weight, a shipper zip, a consignee zip, a number of pieces shipped, a
5 delivery date, a name of an individual who signed a delivery receipt, a product number, an indication that the goods are delivered, an indication that the goods are picked up, an estimated time of arrival, a comment, an indication that a trailer is being
10 dropped off, an indication that a trailer is being picked up, a drop/hook indication, and an indication that the goods are over, short or damaged.

20. The method according to claim 18, wherein
15 each of the at least one remote computing device verifies that a valid data field has been received prior to utilizing the transmitted data.

21. The method according to claim 18, wherein
20 each of the at least one data transmission device is a portable device.

22. The method according to claim 18, wherein each of the at least one data transmission device

verifies that the user has entered a valid predefined data field prior to transmission.

Predefined